

10-10-00

A

UNITED STATES PATENT APPLICATION TRANSMITTAL FORM

BOX PATENT APPLICATION
ASSISTANT COMMISSIONER FOR PATENTS
Washington, D.C. 20231

Docket No.: YOR9-2000-0242-US1

Sir:

Transmitted herewith for filing is the patent application of

Inventor(s): Dimitri Kanevsky, Mariusz Sabath, Jan Sedivy and Alexander
 Zlatsin.

For: SMART BOOK

Enclosed are:

XXX Specification (21 pps.) consisting of: Description (10pps);
 Claims (10pps); Abstract (1 pp);

XXX 7 sheets of drawings;

XXX Declaration and Power of Attorney;

XXX Associate Power of Attorney;

XXX An assignment of the invention to: International Business Machines Corporation Including \$40.00 recordation fee and Assignment
 Recordation Form Cover Sheet;

_____ Information Disclosure Statement (with copies of patent);

_____ Form - PTO-1449;

_____ Verified Statement Claiming Small Entity Status; and

_____ Priority of U.S. Patent Application Serial No. _____, filed on
 is claimed under 35 U.S.C. §120.

The Filing Fee is calculated below.

CLAIMS AS FILED				
(1) For	(2) Number Filed	(3) Number Extra	(4) Rate	(5) Basic Fee \$710.00
Total Claims	42 - 20 =	22	x \$18.00	\$396.00
Independent Claims	9 - 3 =	6	x \$80.00	\$480.00
Multiple Dependent Claim Fee			x \$270.00 = \$0.00	
TOTAL FILING FEE			\$1586.00	

1/2 FILING FEE FOR SMALL ENTITY

\$N/A

09/24/07 10:06:00

10/06/00
 1c932 U.S. PTO

1c932 U.S. PTO
 09/24/07
 10/06/00

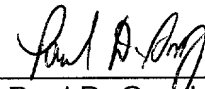
_____ No fee enclosed – filing by missing parts.

XXX A check in the amount of \$ 1626.00 for the filing fee (\$1586) and assignment recordal fee (\$40) is enclosed.

XXX The Commissioner is hereby authorized to charge any additional fees under 37 C.F.R. §§1.16 and 1.17 which may be required with this communication or during the entire pendency of the application, or credit any overpayment, to **Deposit Account No. 01-0467**. A duplicate copy of this Form is enclosed.

Address all future communications to: **Paul D. Greeley, Esq.**
Ohlandt, Greeley, Ruggiero & Perle, L.L.P.
One Landmark Square, 10th Floor
Stamford, Connecticut 06901-2682
U.S.A.
Telephone: (203) 327-4500
Telefax: (203) 327-6401

October 6, 2000
Date of Signature




Paul D. Greeley, Esq.
Attorney for Applicant(s)
Ohlandt, Greeley, Ruggiero & Perle, L.L.P.
Registration No. 31,019
(203) 327-4500

CERTIFICATE OF EXPRESS MAILING

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Certificate No. **EL688069126US**, service under 37 CFR §1.10 and is addressed to: Box Patent Application, Assistant Commissioner for Patents, Washington, D.C. 20231 on October 6, 2000.

David L. Barnes
(Typed name of person mailing paper)



(Signature of person mailing paper)

SMART BOOK

BACKGROUND OF THE INVENTION

5 1. Field of the Invention

This invention relates to methods and systems for the copying of books, pages, pictures and the like.

10 2. Description of the Prior Art

09684237-100600
The procurement of a book protected by copyright involves a purchase from the copyright proprietor or his or her agent. If the purchaser needs to have a copy of the book, a page thereof or a picture contained therein, the copy or a right to make the copy must be procured. Sometimes, a reprint may be available from the publisher. However, a right to make a copy must be obtained from the publisher or its agent. In the past, copies have been authorized from the book itself via a copy machine. This procedure can be very time consuming if the number of pages to be copied is large.

20
Another possible solution to giving a right to make a copy is to provide an electronic image of the book or a part thereof for reproduction to the person requesting the copy. However, copyright proprietors are reluctant to put an electronic image in the hands of someone who wants to make a copy without secure safeguards that will prevent access to others and limit the number of copies that can be made.

25
30
What is needed is a process that makes a right or license to make copies available that permits a user to make human readable copies from of an electronic image of the copyrighted material with proper safeguards to the copyright proprietor.

SUMMARY OF THE INVENTION

The present invention satisfies this need with a method and system that permits the purchase of a right to make a limited number of copies of a book. At the time of purchase, the purchaser or user is given a key that contains the ability to obtain the limited number of copies on demand. The key contains a web address that can be used to obtain the authorized copies. In some embodiments, the key is a label in a machine readable form that is readable by a label reader, such as a bar code reader or a magnetic reader. In other embodiments, the key is merely a web address that the user may contact.

The present invention provides a smart book that has a record or key affixed to the book. The record includes two or more of the following data items: a title of said book, a web address of a copy tracker for said book, an identity of said order, a first number of copies of said entire book that are permitted to be made, a second number of copies of pages of said book that are permitted to be made and a third number of copies of pictures of said book that are permitted to be made.

In one aspect of the invention, a semiconductor device is affixed to the book and the record is stored in a memory of the semiconductor device. The semiconductor device also includes a controller and a communication module that enables communication with a device that can communicate with the world wide web, such as a personal computer, telephone, personal organizer, and the like.

The present invention further provides a method and/or system at the point of sale. The method encodes the label with a record that identifies the book, the right to make copies, the number of authorized copies and the web address of a copy tracker. The record is sent to the copy tracker and the label is

given to the purchaser. In some embodiments, the label is applied to the book that is also purchased by the user. In other embodiments, the key or label is given to the user either electronically, or in hard copy form that is machine readable as a bar code or a magnetic stripe or is in human readable form.

5

The present invention further provides a method and system for keeping track of the right to make and the copies that have been made. This method maintains the record and responds to a request to make a copy by comparing the request to the record to determine if a copy is permitted. If so, the method enables the presentation of an electronic image of the book to the user. In some embodiments, the copy is contained in a database and the database is enabled to present the electronic image to the user via the world wide web. The method then adjusts a count process contained in the record of copies authorized by the right to make and copies already made.

10

15

The invention further provides a method of obtaining a copy that is authorized by the right to make. This method determines a web address of a copy tracker for the right to make copies of the book. A request to make a copy of the book is then sent to the copy tracker. The request identifies the book, the right to make and the pages to be copies. An electronic image of the pages is obtained from the copy tracker and a human readable image is prepared for display or for a hard copy reproduction.

20

25

In one embodiment, the user procures a book with a chip or semiconductor device that contains the copy tracking ability for the right to make copies. The chip is responsive to requests received from an input device, for example, a personal computer to make a copy of one or more pages. The copy tracker compares the request to the number of authorized copies and the number of copies already made to determine if the requested copy is permitted. If so, the chip provides the user's personal computer with the web address to obtain an

30

electronic image from which to make copies. If not, the chip does not provide the web address.

5 In some embodiments, the chip itself contains a copy of the book. In these embodiments, if the copy tracker determines that a requested copy is permitted, an electronic image thereof is provided to the user's personal computer.

BRIEF DESCRIPTION OF THE DRAWING

10

Other and further objects, advantages and features of the present invention will be understood by reference to the following specification in conjunction with the accompanying drawings, in which like reference characters denote like elements of structure and:

15

FIG. 1 is a block diagram of the system of the present invention;

FIG. 2 is a perspective view and block diagram of a printer copy station of the FIG. 1 system;

20

FIG. 3 depicts a record of a copyright right;

FIG. 4 is a block diagram, in part and a flow diagram, in part, of a number decode utility for a copy station of FIG. 1;

25

FIG. 5 is a flow diagram of the order procedure of FIG. 1;

FIG. 6 is a flow diagram of a copy procedure of FIG. 1;

30

FIG. 7 is a block diagram of an alternate embodiment of the present invention; and

FIG. 8 is a flow diagram of a copy tracking procedure of FIG. 1.

DESCRIPTION OF THE INVENTION

5

Referring to FIG. 1, a smart book 100 is shown with a shop 115, a copy tracker 111, a database 105 and a plurality of copy stations shown as a computer 101 and a printer 107. When a purchaser or user procures smart book 100 at shop 115, a right or license to make a limited number of copies is also procured.

10 A label 109 that contains license data that identifies copy tracker 111 (e.g., a web address) and the specific license is affixed to smart book 100. The license data can be encoded on label 109 in any suitable machine readable form, such as a bar code, a magnetic medium, a watermark and the like. The license data in human readable form may also be placed on a label 108 that may be affixed to
15 smart book 100. Label 109 is affixed to a cover or binder of smart book 100 or to one or more pages thereof, as shown on a page 102 of smart book 100. When affixed to a specific page 102, the license data will also identify the specific page.

When the user wants to make a copy of one or more pages of smart book
20 100, label 109 is read by one of the copy stations, say computer 101, which then establishes a connection via a network 104 with copy tracker 111. Copy tracker 111 verifies the specific license and determines if the copy being requested is permitted. If so, copy tracker 111 enables an electronic image of the requested copy to be presented by database 105 to the user via network 104 to computer
25 101. Database 105 contains copies of a plurality of books, including smart book 100. Database 105 may be located at the same or a different web address than that of copy tracker 111. Network 104 may be any suitable communication network, such as the Internet or World Wide Web.

30 Shop 115 may be a brick and mortar shop that is visited personally, a virtual shop that is visited via network 104 or a combination of both. Shop 115

has a transaction processor 117 that includes a processing unit 116, an order process program 121, a record 120, a label maker 124, an input unit 126 and a communication unit 122. Order process program 121 controls processing unit 116 to make record 120 of a right to make copies being procured for smart book 100. The right to make data may be entered via input unit 126. Alternatively, record 120 may contain standardized terms and be one of a plurality of records 120 that differ from one another only in license identification, such as an agreement number.

Referring to Fig. 3, record 120 includes a general license agreement data 300, a title 301 of smart book 100, a web address 302 of copy tracker 111, a book count number 303, a picture count number 304, a page count number 305 and a user or license identity 306.

Referring again to FIG. 1, when record 120 is complete, it is affixed to smart book 100 for delivery to the purchaser. Also, record 120 is then sent to copy tracker 111 via network 104 or any other suitable communication network, such as plain old telephone service.

Referring to FIG. 5, order process program 121 begins at step 500 with entry of an order for the right or license to make copies. Step 501 obtains and enters the data of record 120 for the desired book. Step 501, for example, obtains web address 302 from a directory or by searching the web. Step 503 forms and prints label 109 for record 120. Step 505 sends record 120 to copy tracker 111.

Referring again to FIG. 1, to make a copy of smart book 100, or a picture or page thereof, label 109 is read by a reader, such as bar code reader 112 that communicates with computer 101 via a wired or a wireless link. Web address 302 is used by computer 101 to send a request for copy to copy tracker 111. The request for copy may be for the entire book, a page or a picture. If for the

entire book, the label is read from the cover or binder. If for a particular page, the label is read from that page. If for a picture, the label is read from the area of the picture. In each case, the record contains an identity of the book, the page, or the picture, as the case may be. For the case where the label is watermark, a
 5 suitable watermark reader must be provided. For example, a watermark reader is described in pending U.S. Patent application, Serial No. 09/436,163, filed on November 9, 1999, and assigned to the assignee of this application.

Copy tracker 111 determines if the requested copy is permitted and, if so,
 10 enables database 105 to present an electronic image of the requested copy to computer 101. As shown, computer 101 has a processing unit 113, a display 128 a copy program 140. The user can then view the requested copy on display 128. That is, computer 101 is a view only copy station. It will be apparent to those skilled in the art, that computer 101 can be connected with a printer that
 15 enables printing a hard copy of the electronic image of the requested copy.

Referring to FIG. 4, when label 109 is read by bar code reader 112, an encoded number 403 is obtained that represents web address 302. Encoded number 403 is decoded by a number mapper 404 to derive web address to
 20 obtain web address 302 that is used by computer 101 to communicate with copy tracker 111. Number mapper 404 is a utility included in or used by copy program 140 of computer 101. Fig. 4 also shows the case where a tagged or labeled page 401 is read by bar code reader 112. The tag or label may be formed of a bar code or a pixel and affixed to page 401 by stamping adhesive label and the
 25 like.

Referring to FIG. 6, copy program 140 begins with step 600 which scans label 109 or tagged page 401. Step 602 determines a web address contained in label 109 or the tag of tagged page 401. Step 604 sends the request for copy to
 30 copy tracker 111. Step 606 receives an electronic image of the requested copy

from copy tracker 111 or database 105. Step 608 forms a human readable image of the requested copy for viewing on display 128.

Referring again to FIG. 1, copy tracker 111 includes a processing unit 130,
5 a communication unit 132 and a memory 134. A copy tracking process or program 136 and a count record 138 is stored in memory 134. Count record 138 includes record 120 and a record of how many copies have been made.

Referring to FIG. 8, copy tracking process 136 begins at step 800 with a receipt
10 of record 120 for a book from shop 115. Step 802 maintains a count process and record 138 to keep track of the number of copies made. The next step 804 processes a new request for copy. Step 806 compares the new request with record 138. Step 808 determines if the current count of copies made permits the requested copy to be made. If so, step 810 enables database 105 to present an electronic image of the requested copy to the user and record 138 is updated to
15 reflect a new copy count. If the requested copy is not permitted, step 812 prevents database 105 from presenting the electronic image of the requested copy.

Referring to FIGS. 1 and 2, printer 107 is an alternative copy station with a
20 capability of reading label 109, communicating with copy tracker 111 and printing a human readable image of a requested copy. To this end, printer 107 has a bar code reader 114, a watermark reader 145, a processing unit 116, an input unit 205, a communications module 210, a digital reproduction means 207, a cache 206 and a paper load 210. Input unit 205 includes a plurality of input keys or
25 buttons 203 and a display 212. The user can enter via keys 203 a request to copy all of book 100, a page or a range of pages or a picture. This entered request data is presented on display 212. The use of entered page or picture data at the copy station eliminates the need to put individual labels on each page 102 of book 100.

30

A managing process or program 208 controls processing unit 116 to process data read by bar code reader 114 from label 109 and to form a request to copy. Managing program 208 also communicates the request to copy tracker 111 via communication module 201 and controls the printing of the human readable image of the requested copy. If the requested copy is permitted by copy tracker 111, the electronic image thereof presented by database 105 is stored in cache 206. Managing program 208 then operates paper load 210 and digital reproduction unit 207 to print the requested copy in human readable form. When a new request for a copy is subsequently received and the copy is in cache 206, managing program 208 communicates this to copy tracker 111. If the copy is permitted, copy tracker 111 sends printer 107 a message that enables copy managing program 208 to use the copy in cache 206 to make the requested copy. This avoids a download of the requested copy from database 105.

Referring to FIG. 7, an alternative embodiment of the present invention is a smart book 700 that includes a semiconductor device or chip 701 affixed thereto. Chip 701 includes a record 703 of the right or license to make copies of smart book 700. Record 703 includes a counts data 704 and a web address 705 of copy tracker 111. Record 703 also includes other identifying data of the license and/or user necessary for copy tracker 111 to match a copy request with its record that corresponds to the license right. Chip 702 includes a controller 711 that communicates either by a wired or a wireless link with a copy station such as printer 107 or computer 101. To request a copy of smart book 700, or a part thereof, the user enters the request in printer 107 or computer 101, as the case may be, which then communicates with chip 701 via communication modules 709 or 710 to obtain from chip 701 the data contained in record 703. The copy station then forms and sends the request to copy tracker 111 for processing as described herein for the embodiments of FIGS. 1 through 6 and 8.

An alternate embodiment of chip 701 includes a content 706 of smart book 700. This allows the user to obtain the requested copy from content 706 if copy

tracker 111 approves the requested copy. In still other embodiments, controller 701 could have its own copy tracking program, which will avoid the need to communicate with copy tracker 111. When the user has made all of the permitted copies, controller 701 will prevent other copies from being made.

5

The present invention having been thus described with particular reference to the preferred forms thereof, it will be obvious that various changes and modifications may be made therein without departing from the spirit and scope of the present invention as defined in the appended claims.

10

WHAT IS CLAIMED IS:

1. A method of filling an order for a right to make copies of a book comprising:

(a) making a record for said book, said record including a plurality of the members of the group consisting of: a title of said book, a web address of a copy tracker for said book, an identity of said order, a first number of copies of said entire book that are permitted to be made, a second number of copies of pages of said book that are permitted to be made and a third number of copies of pictures of said book that are permitted to be made;

(b) providing a user of said right with at least said web address; and

(c) sending said record to said copy tracking database.

2. The method of claim 1, wherein step (b) provides said web address on a cover of said book.

3. The method of claim 2, wherein step (b) provides said web address in machine readable form.

4. The method of claim 3, wherein step (b) also provides said identity on said book cover.

5. The method of claim 3, wherein step (b) also provides said web address on one or more pages of said book.

6. A transaction processor for filling an order for a right to make copies of a book comprising:

a processing unit and a memory; and

an order procedure stored in said memory, wherein said order procedure includes:

first means for controlling said processing unit to make a record of said order, wherein said record includes a plurality of members of the group consisting of: a title of said book, a web address of a copy tracker for said book, an identity of said order, a first number of copies of said entire book that are permitted to be made, a second number of copies of pages of said book that are permitted to be made and a third number of copies of pictures of said book that are permitted to be made, and

second means for controlling said processing unit to send said record to said copy tracking database.

7. The transaction processor of claim 6, wherein said order procedure controls said processing unit to provide said web address and said identity of said order on a cover of said book.
8. The transaction processor of claim 7, wherein said web address is provided on said cover in machine readable form.
9. The transaction processor of claim 6, wherein said order procedure further includes third means for controlling said processing unit to also provide said identity of said order on said cover.
10. The transaction processor of claim 9, wherein said web address and said identity are also provided on one or more pages of said book.

11. A memory medium for a computer that fills an order for a right to make copies of a book, said memory medium comprising:

first means for controlling said computer to form a record of said order, wherein said record comprises a plurality of members of the group consisting of: a title of said book, a web address of a copy tracker for said book, an identity of said order, a first number of copies of said entire book that are permitted to be made, a second number of copies of pages of said book that are permitted to be made and a third number of copies of pictures of said book that are permitted to be made; and

second means for controlling said processor to send a copy of said record to said copy tracking database.

12. The memory medium of claim 11, wherein said memory medium further comprises a third means that provides said web address and said identity on a cover of said book.

13. The memory medium of claim 12, wherein said web address and identity are provided on one or more pages of said book.

14. A method of making a copy of one or more pages of a book comprising:

(a) determining a web address of a copy tracker for said copies of said book;

(b) sending to said copy tracker a request to make said copy, said request including an identity of a right to make said copies and an identification of said pages;

(c) obtaining from said copy tracker an electronic image of said pages;
and

(d) making a human readable image of said electronic image.

15. The method of claim 14, wherein step (a) reads said web address from a machine readable label on said book or on a page, picture or other image contained in said book.

16. The method of claim 15, wherein said human readable image is on a display.

17. The method of claim 15, wherein said human readable image is on a hard copy media.

18. A method of providing an electronic image of one or more pages of a book comprising:

(a) maintaining a record of a right to make copies of said book, said record including a count process;

(b) receiving from a user a request to make a copy of one or more pages of said book;

(c) comparing said request with said record to determine if said copy is permitted; and

(d) if said copy is permitted, enabling an electronic image of said copy to be presented to said user.

19. The method of claim 18, wherein said count process keeps track of copies of said book permitted by said right and of copies of said book already made, and wherein step (c) compares said request with said count process to determine if said copy is permitted.

20. The method of claim 19, further comprising (e) adjusting said count process to reflect said copy enabled by step (d).

21. The method of claim 20, wherein said count process includes at least one member of the group consisting of: a first number indicative of copies of the entirety of said book, a second number indicative of copies of individual pages of said book and a third number indicative of copies of individual pictures of said book, and wherein step (e) adjusts said member to reflect said copy enabled by step (d).

22. The method of claim 21, wherein step (d) enables a database that contains said book to serve said electronic image to said user.

23. A processor system for tracking copies of a book made as permitted by a right to make copies thereof, said processor system comprising:

a processing unit and a memory; and

a copy tracking procedure stored in said memory, wherein said copy tracking procedure includes:

first means for controlling said processing unit to maintain a record of said right to make copies of said book, wherein said record includes a count process;

second means for controlling said processing unit to receive from a user a request to make a copy of one or more pages of said book;

third means for controlling said processing unit to compare said request with said record to determine if said copy is permitted; and

fourth means for controlling said processing unit to enable an electronic image of said copy to be presented to said user if said copy is permitted.

24. The system processor of claim 23, wherein said count process keeps track of copies of said book permitted by said right and of copies of said book already made, and wherein said third means compares said request with said count process to determine if said copy is permitted.

25. The system processor of claim 24, wherein said copy tracking procedure further includes fifth means for adjusting said count process to reflect said copy enabled by said fourth means.

26. The system processor of claim 25, wherein said count process includes at least one member of the group consisting of: a first number indicative of copies of the entirety of said book, a second number indicative of copies of individual pages of said book and a third number indicative of copies of individual pictures of said book, and wherein said fifth means adjusts said member to reflect said copy enabled by said fourth means.

27. The system processor of claim 24, wherein said fourth means enables a database that contains a copy of said book to present said electronic image to said user.

28. The system processor of claim 25, further comprising a copy of said book stored in said memory, wherein said fourth means enables said electronic image to be obtained from said copy of said book stored in said memory.

29. The system processor of claim 28, further comprising sixth means for preventing the presentation of said electronic image if the third means determines that said copy is not permitted.

30. A memory medium for a processor that tracks copies permitted to be made by a right to make copies, said memory medium comprising:

first means for controlling said processor to maintain a record of said right to make copies of said book, wherein said record includes a count process;

second means for controlling said processor to receive from a user a request to make a copy of one or more pages of said book;

third means for controlling said processor to compare said request with said record to determine if said copy is permitted; and

fourth means for controlling said processor to enable an electronic image of said copy to be presented to said user.

31. The memory medium of claim 30, wherein said fourth means enables a database that contains a copy of said book to present said electronic image to said user.

32. The memory medium of claim 31, wherein said record also includes a count process of the copies permitted by said right and of the copies already made, and wherein said third means compares said request with said count process to determine if said copy is permitted.

33. The memory medium of claim 32, wherein said copy tracking procedure further includes fifth means for adjusting said count process to reflect said copy enabled by said fourth means.

34. The memory medium of claim 33, wherein said count process includes at least one member of the group consisting of: a first number indicative of copies of the entirety of said book, a second number indicative of copies of individual pages of said book and a third number indicative of copies of individual pictures of said book, and wherein said fifth means adjusts said member to reflect said copy enabled by said fourth means.

35. A smart book comprising:

a book; and

a record affixed to said book, wherein said record includes a plurality of members of the group consisting of: a title of said book, a web address of a copy tracker for said book, an identity of said order, a first number of copies of said entire book that are permitted to be made, a second number of copies of pages of said book that are permitted to be made and a third number of copies of pictures of said book that are permitted to be made.

36. The smart book of claim 35, further comprising a semiconductor device affixed to said book, and wherein said semiconductor device includes a memory that contains said record.

37. The smart book of claim 36, wherein said semiconductor device includes a controller that keeps track of the number of copies made, and wherein said controller responds to a request of a user to make a copy of at least page of said

book to determine if said copy is permitted, and, if permitted, enables an electronic image of said copy to be presented to the user.

37. The smart book of claim 36, wherein said controller enables said electronic image to be presented to said user from a database that contains said electronic image via the world wide web.

38. The smart book of claim 36, wherein said memory contains said electronic image, and wherein said controller prevents said electronic image from being presented to said user if said copy is not permitted.

39. A system that makes a copy of one or more pages or images contained in a book comprising:

means for reading information encoded in a label that is located on said pages or images or on a cover of said book;

means for determining from said information a copy tracker and an identity of a right to make said copy;

means for sending to said copy tracker a request to make said copy, said request including said identity and an identification of said pages or images;

means for receiving from said copy tracker an electronic image of said pages or images; and

means for making a human readable copy of said electronic image.

40. The system of claim 39, wherein said label is a bar code and said means for reading is a bar code reader.

41. The system of claim 39, wherein said label is a watermark and said means for reading is a watermark reader.

42. The system of claim 42, wherein said means for determining determines a web address from said information, and wherein said means for sending sends said request to said web address.

ABSTRACT OF THE DISCLOSURE

A method and system that permits the purchase of a license to make a limited number of copies of a book. At the time of purchase, the purchaser or user is given a key that contains the ability to obtain the limited number of copies on demand. The key contains a web address that can be used to obtain the authorized copies. In some embodiments, the key is a label in a machine readable form that is readable by a label reader, such as a bar code reader or a magnetic reader. In other embodiments, the key is merely a web address that the user may contact. At the point of sale, the key or record is formed, affixed to the book and also sent to copy tracker. The copy tracker then keeps track of the copies as made and processes each request to make a copy. If permitted, a database is enabled to send an electronic image of the requested copy to the user.

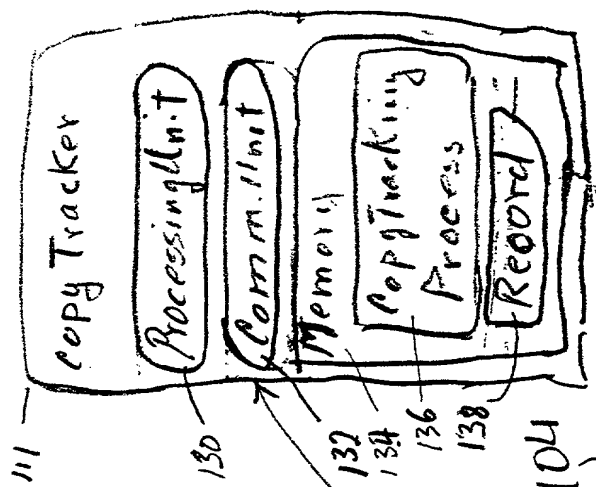
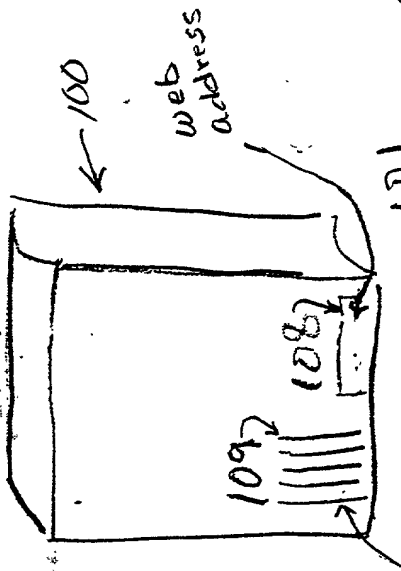
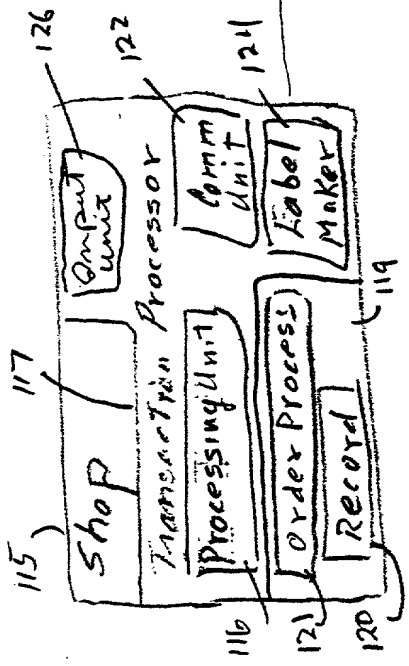
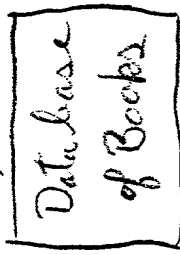


FIG. 1



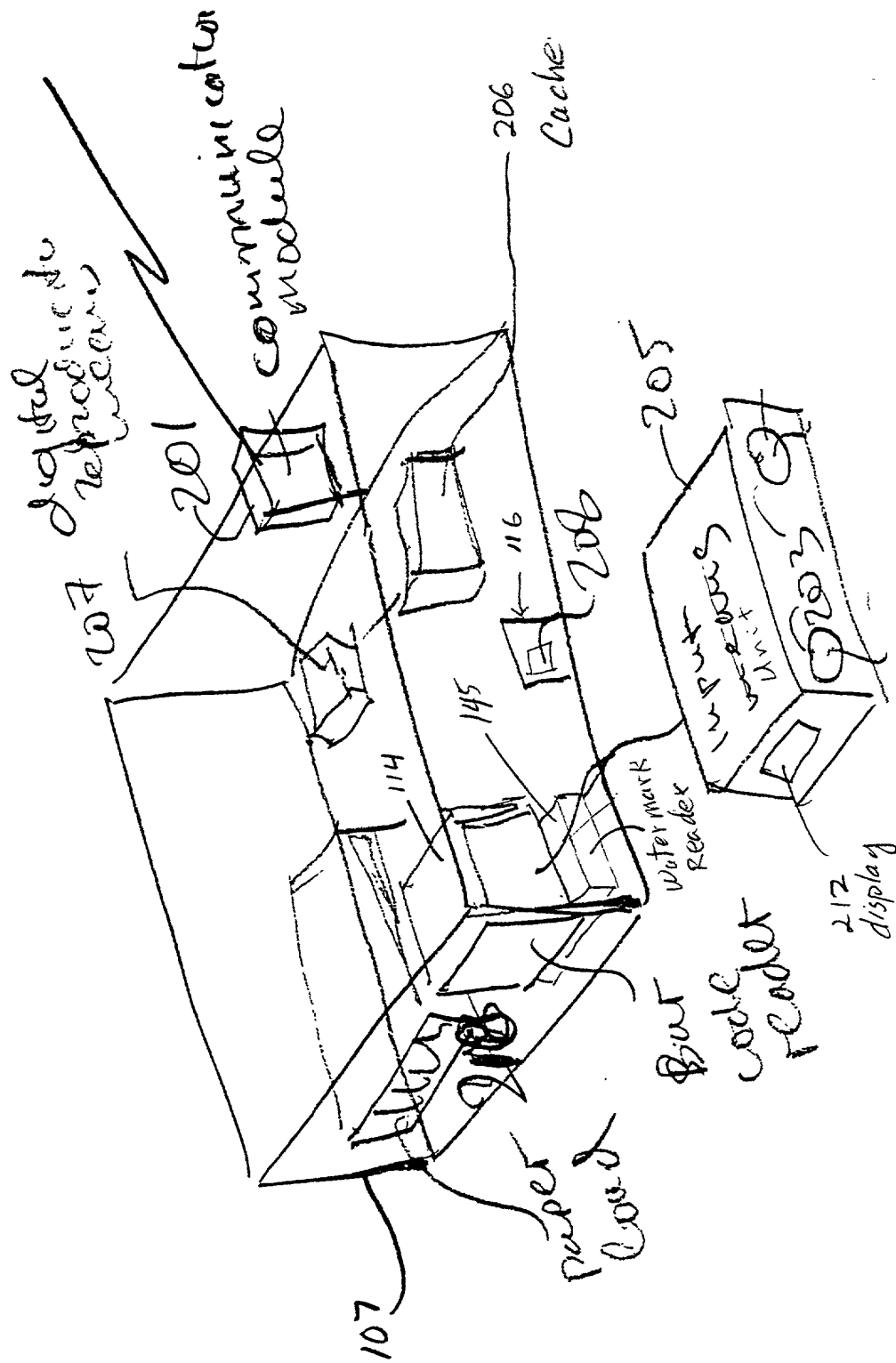


Fig. 2

Copy right agreement (License)	300
Book Title	301
web address	302
count 1 - for book	303
count 2 - for drawings	304
count 3 - for pages	305
Use or License identity	306

(113)

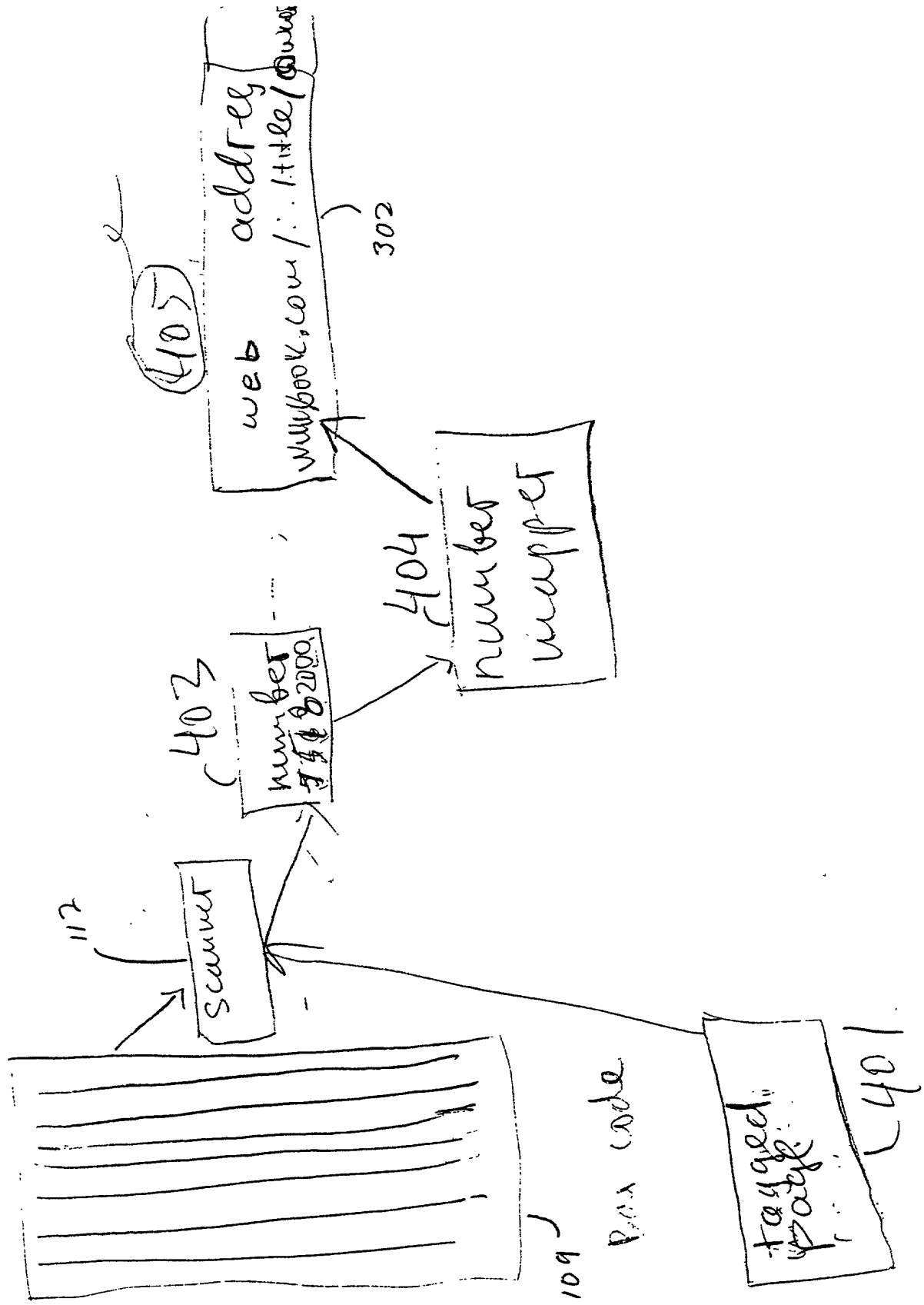


Fig 4.

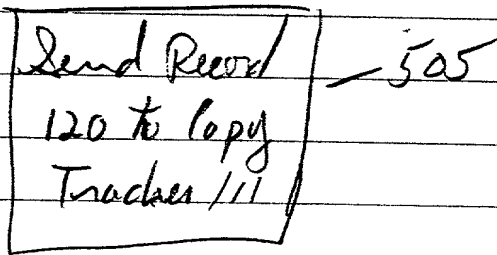
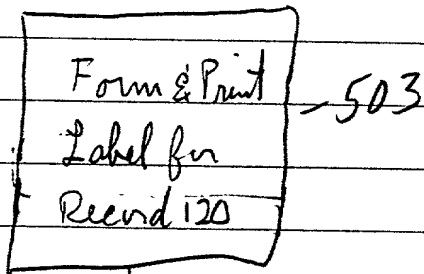
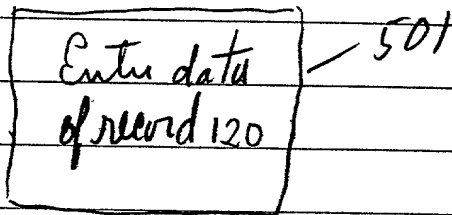
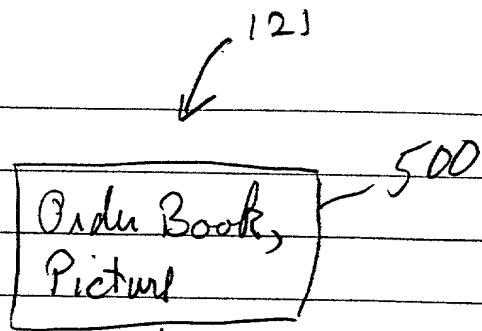


FIG. 5

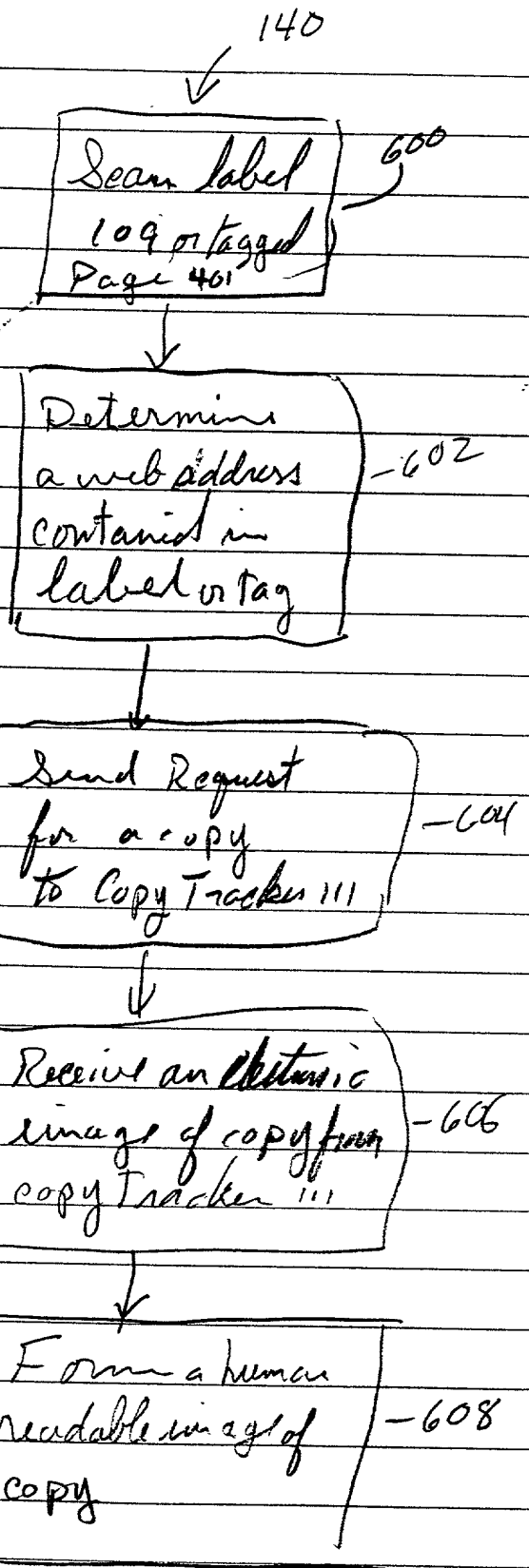


FIG. 6

4028-2000-0045

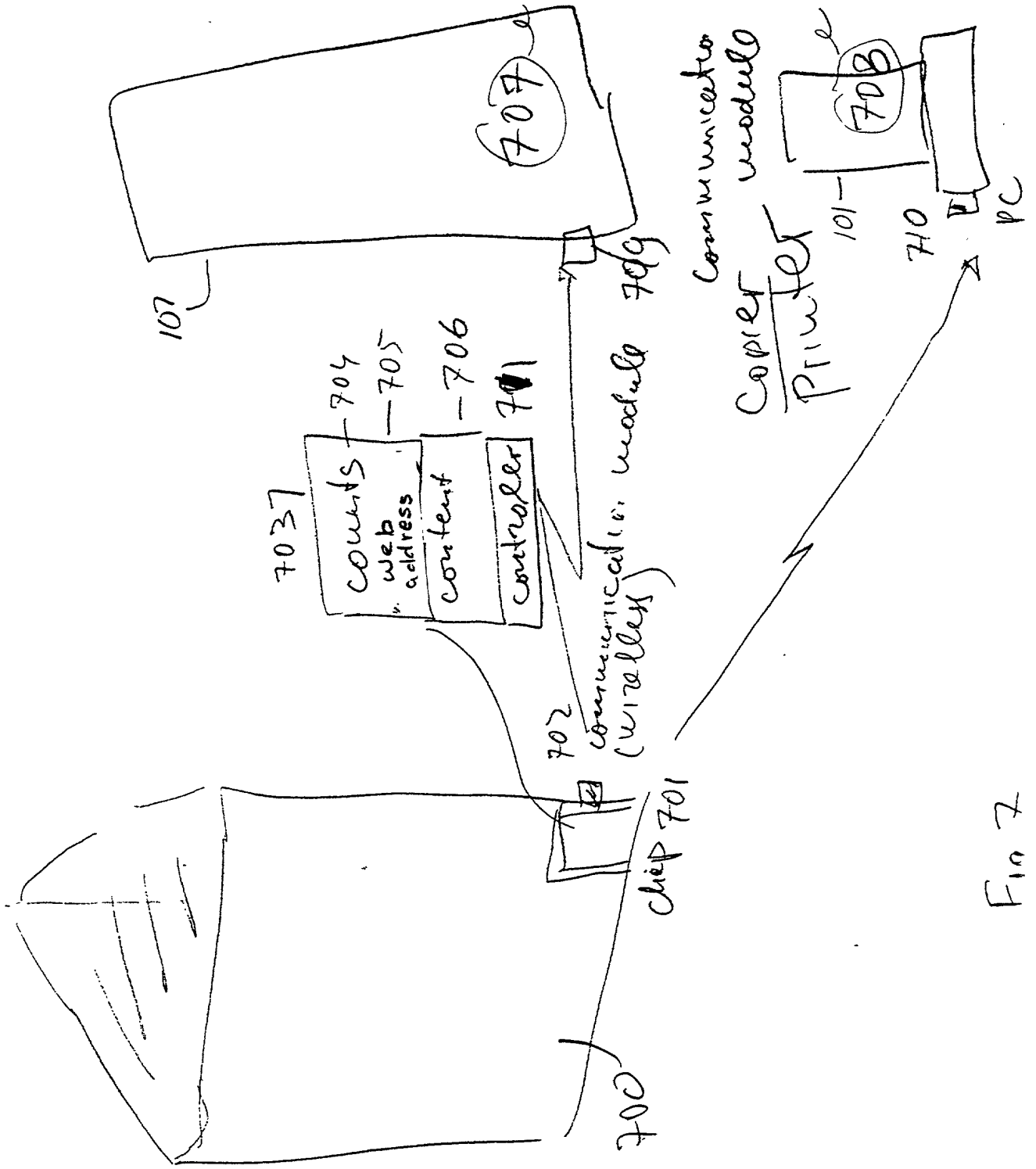


Fig 7

Receive Record 120 for a book from shop 115 - 800

Maintain a count process and record 138 of copies made of the book - 802

Receive a request from user to make a copy - 804

Compare request with count process - 806

Determine if requested copy is permitted - 808

Permitted

810
Enable database 105 to present electronic image of copy to user and update Record 138

Not Permitted

812

Prevent database 105 from presenting the image

FIG. 8

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

Docket No. YOR-2000-0242-US1

As below named inventors, we hereby declare that:

Our residences, post office addresses and citizenships are as stated below next to our respective names.

We believe we are the original, and first joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled:

SMART BOOK

the specification of which

(check one) XXX is attached hereto.

_____ was filed on _____ as Application Serial No. _____
and was amended on _____ (if applicable).

We hereby state that we have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to us to be material to the patentability of this application as defined in Title 37, Code of Federal Regulations, §1.56.

We hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate(s) listed below and have also identified below any foreign application(s) for patent or inventor's certificate(s) having a filing date before that of the application on which priority is claimed:

<u>Prior Foreign Application(s)</u>			<u>Priority Claimed</u>
_____ (Number)	_____ (Country)	_____ (Day/Mon/Year Filed)	___ Yes ___ No
_____ (Number)	_____ (Country)	_____ (Day/Mon/Year Filed)	___ Yes ___ No
_____ (Number)	_____ (Country)	_____ (Day/Mon/Year Filed)	___ Yes ___ No

We hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, we acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)

(Filing Date)

(Status - patent, pend., abandon.)

(Application Serial No.)

(Filing Date)

(Status - patent, pend., abandon.)

POWER OF ATTORNEY: As named inventors, we hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

NAMES	REGISTRATION NUMBERS
Manny W. Schecter	31,722
Lauren C. Bruzzone	35,082
Christopher A. Hughes	26,914
Edward A. Pennington	32,588
John E. Hoel	26,279
Joseph C. Redmond, Jr.	18,753
Douglas W. Cameron	31,596
Wayne L. Ellenbogen	43,602
Louis P. Herzberg	41,500
Stephen C. Kaufman	29,551
Daniel P. Morris	32,053
Paul J. Otterstedt	37,411
Louis J. Percello	33,206
David M. Shofi	39,835
Robert M. Trepp	25,933
Marian Underweiser	46,134
Richard M. Ludwin	33,010
Marc A. Ehrlich	39,966

SEND CORRESPONDENCE TO:

Daniel P. Morris, Esq.
IBM
Thomas J. Watson Research Center
P.O. Box 218
Yorktown Heights, New York 10598

DIRECT TELEPHONE
CALLS TO:

Daniel P. Morris, Esq.
Telephone: (914) 945 3217
Telefax: (914) 945 2947

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF INVENTOR	LAST NAME KANEVSKY	FIRST NAME DIMITRI	MIDDLE NAME
RESIDENCE & CITIZENSHIP	CITY OSSINING	STATE OR COUNTRY NEW YORK	CITIZENSHIP US
POST OFFICE ADDRESS	P.O. ADDRESS 1358 SPRING VALLEY ROAD	CITY & STATE OSSINING, NEW YORK	ZIP CODE 10582

Inventor's signature *Dimitri Kanevsky* Date Sept-26, 2000
Dimitri Kanevsky

FULL NAME OF INVENTOR	LAST NAME SABATH	FIRST NAME MARIUSZ	MIDDLE NAME
RESIDENCE & CITIZENSHIP	CITY SCARSDALE	STATE OR COUNTRY NEW YORK	CITIZENSHIP POLAND
POST OFFICE ADDRESS	P.O. ADDRESS 60 MORROW AVENUE, APT. 4LS	CITY & STATE SCARSDALE, NEW YORK	ZIP CODE 10583

Inventor's signature *Mariusz Sabath* Date 09/27, 2000
Mariusz Sabath

FULL NAME OF INVENTOR	LAST NAME SEDIVY	FIRST NAME JAN	MIDDLE NAME
RESIDENCE & CITIZENSHIP	CITY PRAHA	STATE OR COUNTRY CZECH REPUBLIC	CITIZENSHIP CZECH REPUBLIC
POST OFFICE ADDRESS	P.O. ADDRESS U LESA 11	CITY & STATE PRAHA 4, CZECH REPUBLIC	ZIP CODE 142 00

Inventor's signature *Jan Sedivy* Date 10/9, 2000
Jan Sedivy

FULL NAME OF INVENTOR	LAST NAME ZLATSIN	FIRST NAME ALEXANDER	MIDDLE NAME
RESIDENCE & CITIZENSHIP	CITY YORKTOWN HEIGHTS	STATE OR COUNTRY NEW YORK	CITIZENSHIP US
POST OFFICE ADDRESS	P.O. ADDRESS 848 KESSLER PLACE	CITY & STATE YORKTOWN HEIGHTS, NEW YORK	ZIP CODE 10598

Inventor's signature *A. Zlatsin* Date 9/27, 2000
 Alexander Zlatsin

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Kanevsky et al.
Serial No.: Not Yet Assigned
Filed: Herewith
For: SMART BOOK
Examiner: Not Yet Assigned
Art Unit: Not Yet Assigned

Attorney Docket No.: YOR9-2000-0242-US1

IBM
Thomas J. Watson Research Center
P.O. Box 218
Yorktown Heights, New York 10598

ASSOCIATE POWER OF ATTORNEY

Assistant Commissioner for Patents
Washington, DC 20231

Dear Sir:

Please recognize Paul D. Greeley, Reg. No. 31,019; Harry F. Smith, Reg. No. 32,439 and Charles N.J. Ruggiero, Reg. No. 24,648 of the law firm Ohlandt, Greeley, Ruggiero & Perle, L.L.P. with offices at One Landmark Square, 10th Floor, Stamford, Connecticut 06901-2682, as an attorney, with full and complete powers to prosecute this patent application and to transact all business in the Patent and Trademark Office connected therewith.

Please continue to address all correspondence to:

Paul D. Greeley, Esq.
Ohlandt, Greeley, Ruggiero & Perle, L.L.P.
One Landmark Square, 10th Floor
Stamford, Connecticut 06901-2682
Telephone: (203) 327 4500
Telefax: (203) 327 6401

Respectfully submitted,

Date: 9-27, 2000

Name:
Reg. No.: